

ABSTRACT

A network interface adapter includes an outgoing packet generator, adapted to generate an outgoing request packet for delivery to a remote responder responsive to a request submitted by a host processor and a network output port, coupled to transmit the outgoing request packet over a network to the remote responder. A network input port receives an incoming response packet from the remote responder, in response to the outgoing request packet sent thereto, as well as an incoming request packet sent by a remote requester. An incoming packet processor receives and processes both the incoming response packet and the incoming request packet, and causes the outgoing packet generator, responsive to the incoming request packet, to generate, in addition to the outgoing request packet, an outgoing response packet for transmission to the remote requester.